CGMVIZ

User Guide

Purpose of this document

This document is a generic User Guide document for use of the application called CGM viz. This User Guide is a brief document designed to provide guidance and usage material which is intended to assist medical practitioners or doctors, in producing a visualization and analysing report of the patients by monitored data of the change in glucose levels.

## Conventions

##### Hypoglycaemic (mmol/L)

##### Abnormal Rates (mmol/L/hr)

##### Time (hour)

**DURATION**

Average time of the fresh computation is approximately 1 minute. But this may vary with the configuration of the local machine.

**PRE-REQUISITE PACKAGES**

Packages and libraries play an important part in proper execution of the code. As the full application on R language. Latest version of R along with recent updated version of libraries and package must be installed in the local machine. Additional file of packages are attached with the main file.

**CHANCES OF ERROR**

When devices are changes or switched , it is recommended to restart the application.

**INPUT**

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**Upload File Containing CGM Data**

Continuous glucose monitoring data of the patient to be uploaded.

**Device Types**

Glucose monitoring type device.

**Hypoglycaemic (mmol/L)**

Hypoglycaemia is when blood glucose levels fall below 4 mmol/L (72mg/dL).

**Abnormal Rates (mmol/L/hr)**

Rates for the abnormal behaviour of the glucose.

**Number of hours since last hypoglycaemic**

Number of hours after hypoglycaemic.

**Minimum Top BG during episode**

Value of the top BG during the whole.

**Minimum Segment Length (hr)**

Length of the segment of the episode.

**SUBMIT**

Submit the data.

**OUTPUT**

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Various colour codes show various days of the monitored glucose.

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Size of the bubble is directly proportional to the length of the episode. Various days are depicted by the various colour codes.